

RECEIVED

OCT 07 1985

RICHARD DWOREK
DIRECTOR—ENVIRONMENT
ENVIRONMENTAL AFFAIRS



United
States
Steel
Corporation

ONE TECH CENTER DRIVE
MONROEVILLE, PENNSYLVANIA 15146
412/825-2974

October 3, 1985

Mr. Leon Gonshor
Regional Director
Department of Environmental Resources
1875 New Hope Street
Norristown, Pennsylvania 19401

Dear Mr. Gonshor:

Re: FAIRLESS WORKS GROUNDWATER MONITORING

In conformance with regulatory requirements,
please find enclosed the following reports for the June 1985
sampling round.

Slag Sites: Summary Report

Borrow Pit 20:

Summary Report
Statistical Comparison
Exception Report
Comparison with Drinking Water Standards
PennDER Form ER-SWM-92

As shown in the enclosures for Site 20, statis-
tically significant changes (SCC) have been determined for
the following parameters:

ph: upgradient Well 5; downgradient Wells 6, 8 and 10

Specific Conductance: upgradient Well 5

TOC: upgradient Well 6

SGT 07 1985

Mr. Leon Gonshor
October 3, 1985
Page Two



Statistical comparisons were performed using 1983 data from Wells 5 and 6 as background. These results compare to previous SSCs using 1983 background data as shown on the following summary:

Quarter	Well No.				
	5*	6*	7A	8	10
8401	pH, S.C.	-	pH	-	pH
8402	pH, S.C., TOX	pH, TOX	-	pH	pH
8403	pH, S.C.	pH	-	-	pH
8404	pH, S.C.	TOC	pH	-	pH
8501	S.C.	pH, TOC	pH	pH	pH
8502	pH, S.C.	pH, TOC	-	pH	pH

*Upgradient

SSCs for TOC in upgradient Well 6 have been detected for the last three rounds. However, the following tabulation of TOC data from previous rounds does not suggest that a trend toward increasing concentrations is developing in the well.

Round	Average TOC Sampling Results (mg/l)
8301	73.3
8302	50.7
8303	80.9
8304	53.0
8401	50.3
8402	39.3
8403	46.9
8404	76.3
8501	74.7
8502	77.2

If you have any questions regarding this submittal, please call me.

Very truly yours,

A. A. Spinola

A. A. Spinola, Manager
Hazardous Waste
Environmental Affairs

AAS/es

attachment